

REPORT DOCUMENTATION PAGE

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OMB No. 0704-0188

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1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE 25 SEPTEMBER 1998	3. REPORT TYPE AND DATES COVERED FINAL TECHNICAL REPORT JUNE 1997-JUNE 1998
4. TITLE AND SUBTITLE MERTS Field Research/Integrated Marine Technology Center-construction of building and purchase of related equipment			5. FUNDING NUMBERS G-N00014-96-1-0873
6. AUTHOR(S) John W. Wubben			8. PERFORMING ORGANIZATION REPORT NUMBER MERTS2-1997-98
7. PERFORMING ORGANIZATION NAMES(S) AND ADDRESS(ES) Marine & Environmental Research & Training Station (MERTS) c/o Clatsop Community College 1653 Jerome Ave Astoria OR 97103			
9. SPONSORING / MONITORING AGENCY NAMES(S) AND ADDRESS(ES)			10. SPONSORING / MONITORING AGENCY REPORT NUMBER
11. SUPPLEMENTARY NOTES			
a. DISTRIBUTION / AVAILABILITY STATEMENT Available to the public			12. DISTRIBUTION CODE
13. ABSTRACT (Maximum 200 words) The MERTS Field Research/Integrated Marine Technology Center has been completed and equipped, providing a highly modern facility for the staging and support of research, as well as for industry-standard training in marine-related fabrication and maintenance. Successful project completion is evidenced by (1) the Certificate of Occupancy; (2) consulting engineer's certificate of compliance with plans, specifications, and the State Building Code; (3) final building inspection certificates indicating conformance to State electrical, plumbing, and mechanical codes; (4) complete list of equipment purchased; (5) documenting photos of completed building and selected equipment.			
14. SUBJECT TERMS MERTS Field Research/Integrated Marine Technology Center			15. NUMBER OF PAGES 28
			16. PRICE CODE
17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified	20. LIMITATION OF ABSTRACT UL

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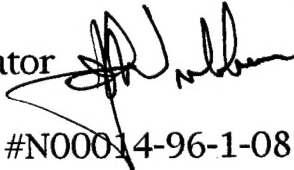
Marine and Environmental Research and Training Station, Inc.

c/o Clatsop Community College

1653 Jerome Avenue ♦ Astoria, Oregon ♦ 97103 ♦ (503) 325-0910

MEMORANDUM

TO: Ronald A. De Marco, Ph. D., Head of Engineering, Materials, and
Physical Sciences, S & T Dept., Office of Naval Research

FROM: John Wubben, Principal Investigator 

SUBJECT: Final Technical Report for Grant #N00014-96-1-0873

DATE: September 21, 1998

19980930 017

This grant has been completed, as reflected in the following:

1. Certificate of Occupancy (Attachment A)
2. Certification by KPFF Consulting Engineers that the MERTS Field Research/Integrated Technology Center "was constructed in general compliance with the structural plans and specifications" (Attachment B).
3. Certification by Braun Intertec that construction of the Merts Field Research/Integrated Technology Center "was in accordance with the approved plans and specifications of the State Building Code and Standards" (Attachment C).

4. Inspection report showing final electrical approval by the Building Codes Division of the Oregon Department of Consumer and Business Services (Attachment D).

5. Inspection report showing final plumbing and mechanical approval by the Building Codes Division of the Oregon Department of Consumer and Business Services (Attachment E).

6. Color photographs showing the completed building and representative items of equipment purchased (Attachment F).

7. Complete list of all equipment purchased (Attachment G).

Dr. De Marco, we appreciate your assistance and support in the completion of this grant project.

If I may provide additional information or clarification of this report, please contact me.

Merts/phaselI/final report/onr

CERTIFICATE OF OCCUPANCY

CITY OF ASTORIA

Date: 2/28/98

Building Location/Address: 6540 LIBERTY LANE
MERTS PHASE II

Permit Number: C97-108

Owner Name: MERTS, Inc.

Owner Address: Rt. 5 Box 30-A
Astoria, OR 97103

Description of Construction: SCHOOL/EDUCATION FACILITY

Construction Type: II-N Sprinklered **Number of Stories:** 1

Occupancy Group: B, H-4, A-3 **Floor Area:** 30,000 sq. ft.

CERTIFICATION IS HEREBY GIVEN THAT SAID BUILDING HAS BEEN INSPECTED FOR COMPLIANCE WITH THE OREGON STATE SPECIALTY CODES FOR GROUP AND DIVISION OF OCCUPANCY AND LAND USE REGULATIONS IN EFFECT AT THIS DATE AND MAY BE OCCUPIED AS ABOVE CLASSIFIED.

SIGNED:

Jason Bush

ATTACHMENT B



December 3, 1997

Mr. Gregg Stewart
Mahlum & Nordfors Smith Gordon
1231 NW Hoyt Street, Suite 102
Portland, Oregon 97209

RE: Marine & Environmental Research & Training Center
Astoria, Oregon
Permit No. C97-108

Dear Gregg:

Based on the reports submitted to us to date, including the final summary report by Braun Intertec, dated December 3, 1997, as well as our own observations during our site visits, we believe that the Marine & Environmental Research & Training Center project was constructed in general compliance with the structural plans and specifications.

If you have any questions or need further information, please call.

Sincerely,

A handwritten signature in black ink, appearing to read "STB".

Sean T. Blaire

cc: Jason Bush, Mortier Engineering
Al Jaques, Clatsop College

[STB:me65286:conform.doc]

Post-it® Fax Note	7671	Date	12/3	# of pages	1
To	Al Jaques		From	Sean Blaire	
Co./Dept.			Co.		
Phone #			Phone #		
Fax #	338-7661		Fax #		

111 S.W. Fifth Avenue, Suite 2500 Portland, OR 97204-3628 (503) 227-3251 Fax (503) 227-7980

Seattle Portland San Francisco Los Angeles Phoenix San Diego

BRAUNSM
INTERTEC

Braun Intertec Corporation
6032 N. Cutter Circle, Ste. 480
P.O. Box 17126
Portland, Oregon 97217
503-289-1778 Fax: 289-1918

*Engineers and Scientists Serving
the Built and Natural Environments*

December 3, 1997

Mr. Al Jaques
Merts Inc.
c/o Clatsop Community College
Route 5, box 30A
Astoria, Oregon 97103

Dear Mr. Jaques:

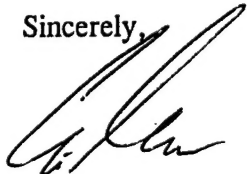
Re: SPECIAL INSPECTION
Field Research & Integrated Technology Center
6540 Liberty Lane
Astoria, Oregon
Permit No.: C97-108

This is to certify that, in accordance with section 1701.3 of the State Building Code, we have performed Special Inspection of the following items:

1. Reinforced Concrete
2. Structural Steel, including welder's certifications, material verification, fabrication and field welding (excluding handrail)
3. Structural Masonry
4. Epoxy installations per ICBO report
5. Soils and Asphalt; compaction tests

All inspections and tests were performed and reported according to the requirements and to the best of my knowledge, the work was in accordance with the approved plans and specifications of the State Building Code and Standards.

Sincerely,



Eric Gessner, Manager
Construction Services

eg :syd

cc: Jason Bush, Mortier Engineering
Greg Stewart, Mahlum & Nordfors Smith Gordon
Brad Moyes, KPFF Consulting Engineers
David Gould, David Evans & Associates
Pat Mahoney, SD Deacon
Chris Crother, SD Deacon



Inspection Request & Report

ATTACHMENT D

Department of Consumer & Business Services
Building Codes Division

INSPECTION REQUEST

Date requested: 12-10-97	Time:	Type of inspection: Final		
<input checked="" type="checkbox"/> Electrical	<input type="checkbox"/> Plumbing	<input type="checkbox"/> Structural	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Manufactured home
Permit no.: CN7-547	Owner: M.E.R.T.			
Contractor: Wads worth	Job address: RT5 Bx 30-A ast.			
Directions:				
Ready: <input type="checkbox"/> Mon <input type="checkbox"/> Tues <input type="checkbox"/> Wed <input type="checkbox"/> Thurs <input type="checkbox"/> Fri <input type="checkbox"/> a.m. <input type="checkbox"/> mid <input type="checkbox"/> p.m.				
Call before coming? <input type="checkbox"/> Yes <input type="checkbox"/> No Phone:				

INSPECTION REPORT

Date inspected: 12-10-97	Time: 10:00	Type of inspection: 05
<input type="checkbox"/> Unable to inspect	<input checked="" type="checkbox"/> No corrections noted	<input type="checkbox"/> Correction(s) expected within _____ days
Inspection report no.: _____ Correction(s) noted: (Pg. _____ of _____)		
approved Final		
Mechanical Lab GFCT		
approved.		

<input type="checkbox"/> Reinspection required prior to approval	<input type="checkbox"/> OK to continue after corrections made
<input type="checkbox"/> Owner/Contractor sign below indicating all corrections made and return to inspector	
Signature: _____	
<input type="checkbox"/> Call for reinspection	Inspector: John Allen
Signature: [Signature]	



274466-96



Inspection Request & Report

Department of Consumer & Business Services
Building Codes Division

CITY OF ASTORIA

INSPECTION REQUEST

Date requested: 11-12-97 Time: _____ Type of inspection: PLUMBING FINAL
HVAC FINAL

☐ Electrical ☒ Plumbing ☐ Structural ☒ Mechanical ☐ Manufactured home

Permit no.: C-97-108 Owner: MERTS PHASE II

Contractor: SD DEACON Job address: 6540 LIBERTY LANE

Directions: _____

Ready: YES ☒ Mon ☐ Tues ☐ Wed ☐ Thurs ☐ Fri ☐ a.m. ☐ mid ☐ p.m.

Call before coming? ☐ Yes ☐ No Phone: _____

INSPECTION REPORT

Date inspected: 11-17-97 Time: 11:00 Type of inspection: PLUMBING FINAL
HVAC FINAL

☐ Unable to inspect ☒ No corrections noted ☐ Correction(s) expected within _____ days

Inspection report no.: _____ Correction(s) noted: (Pg. _____ of _____)

APPROVED

☐ Reinspection required prior to approval ☐ OK to continue after corrections made

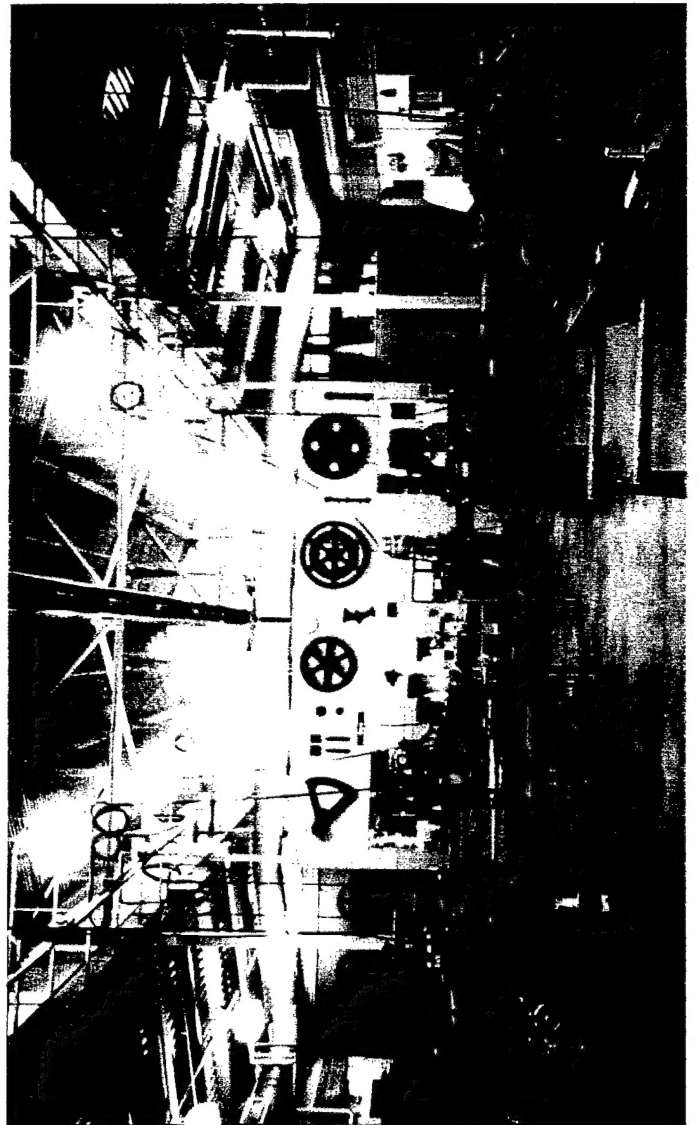
☐ Owner/Contractor sign below indicating all corrections made and return to inspector

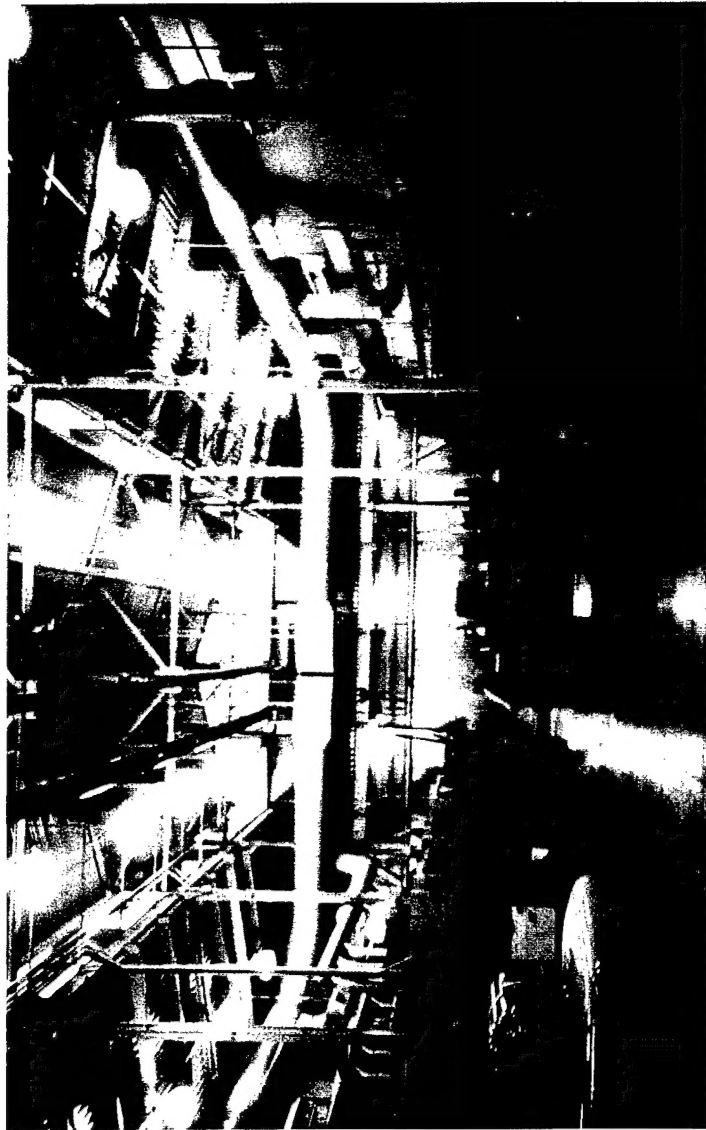
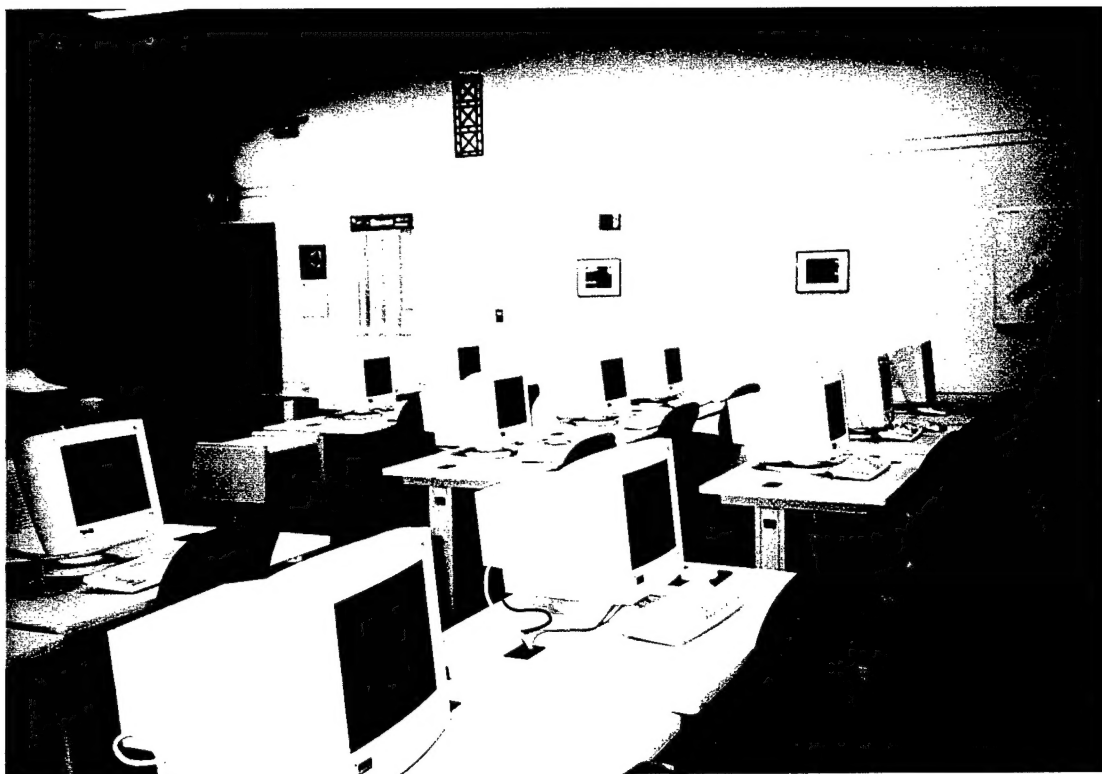
Signature: _____

☐ Call for reinspection _____

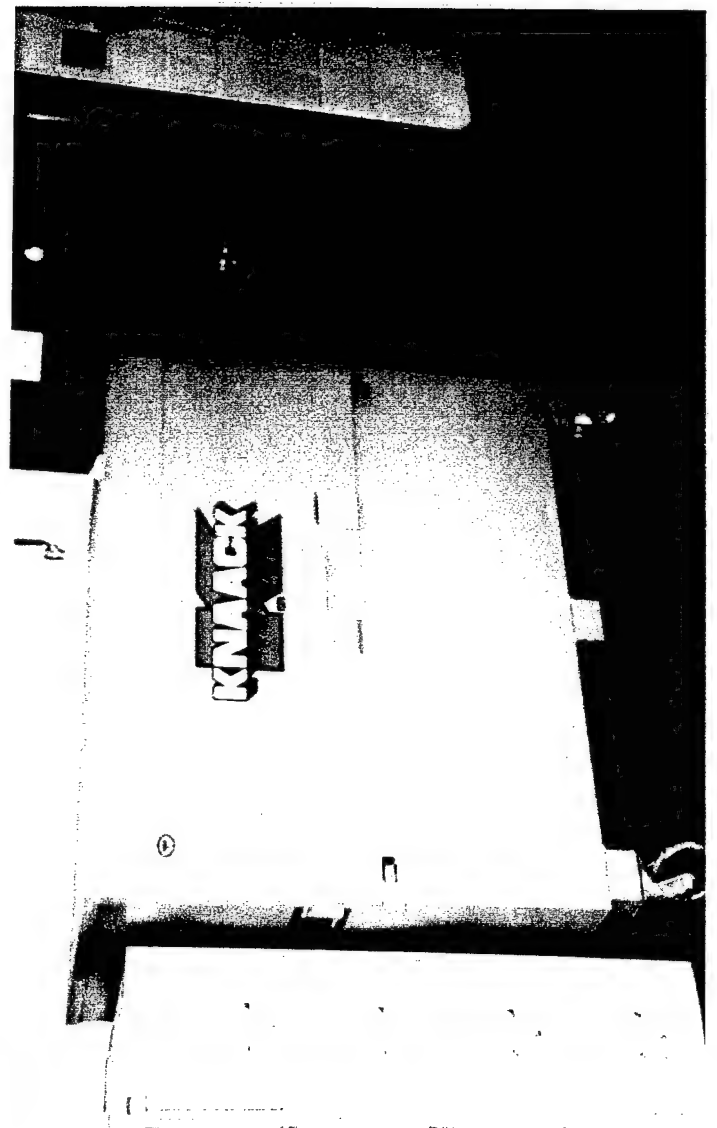
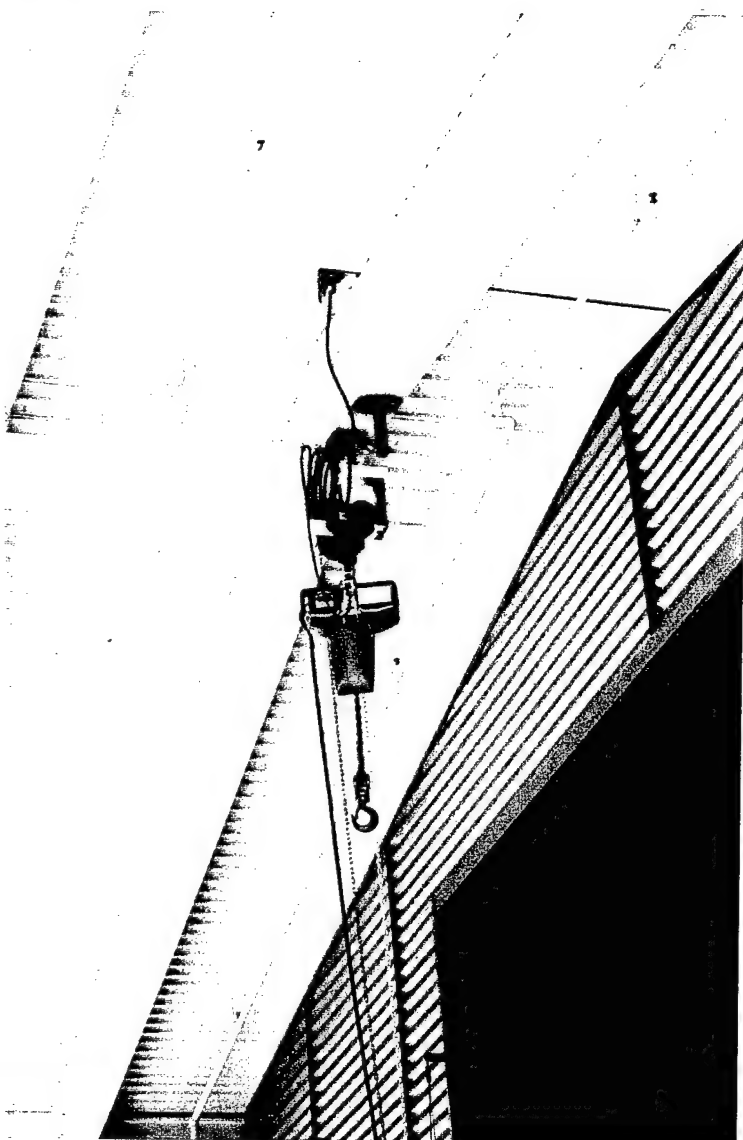
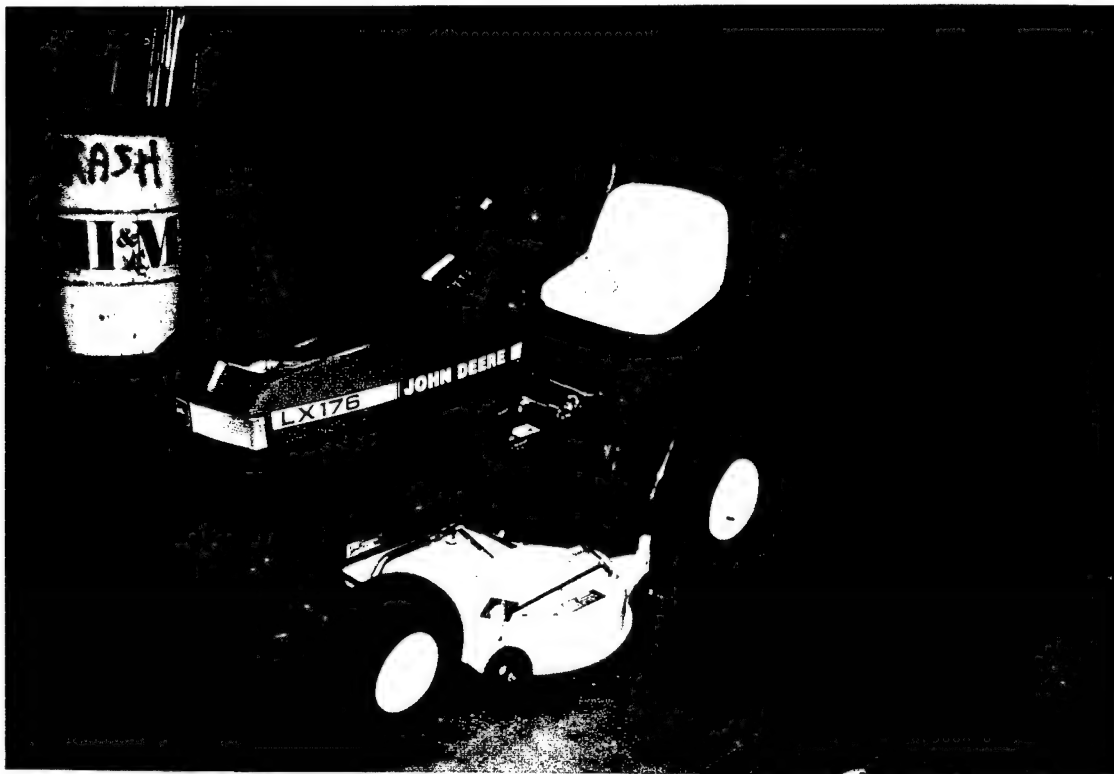
Inspector: Tom Brown

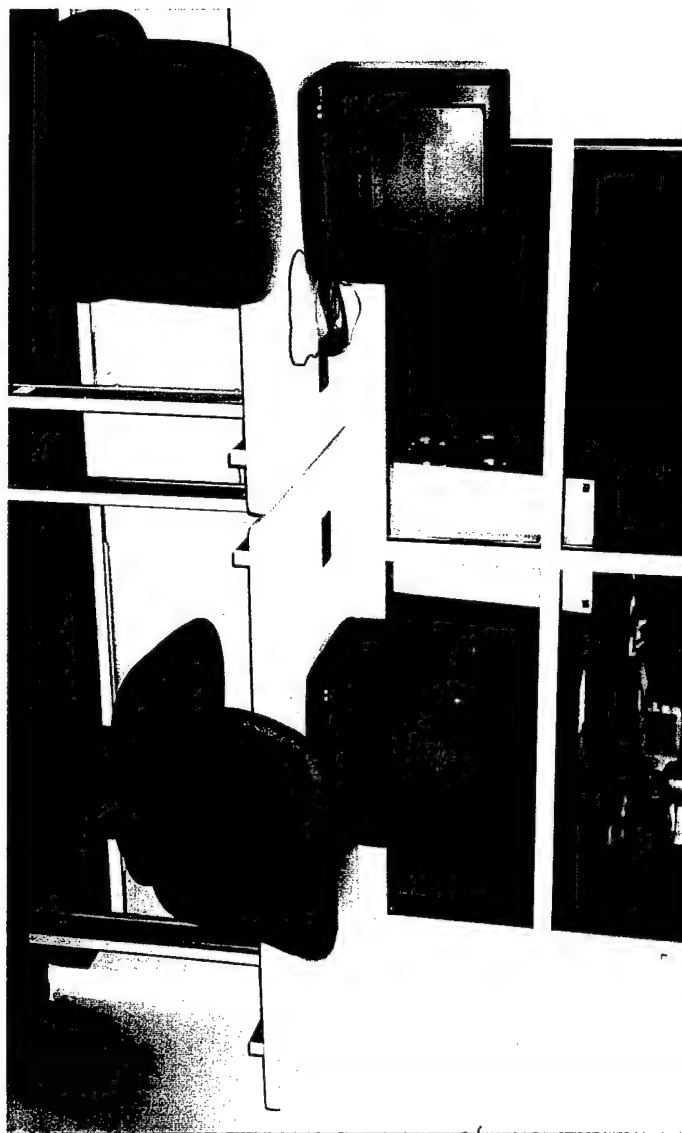
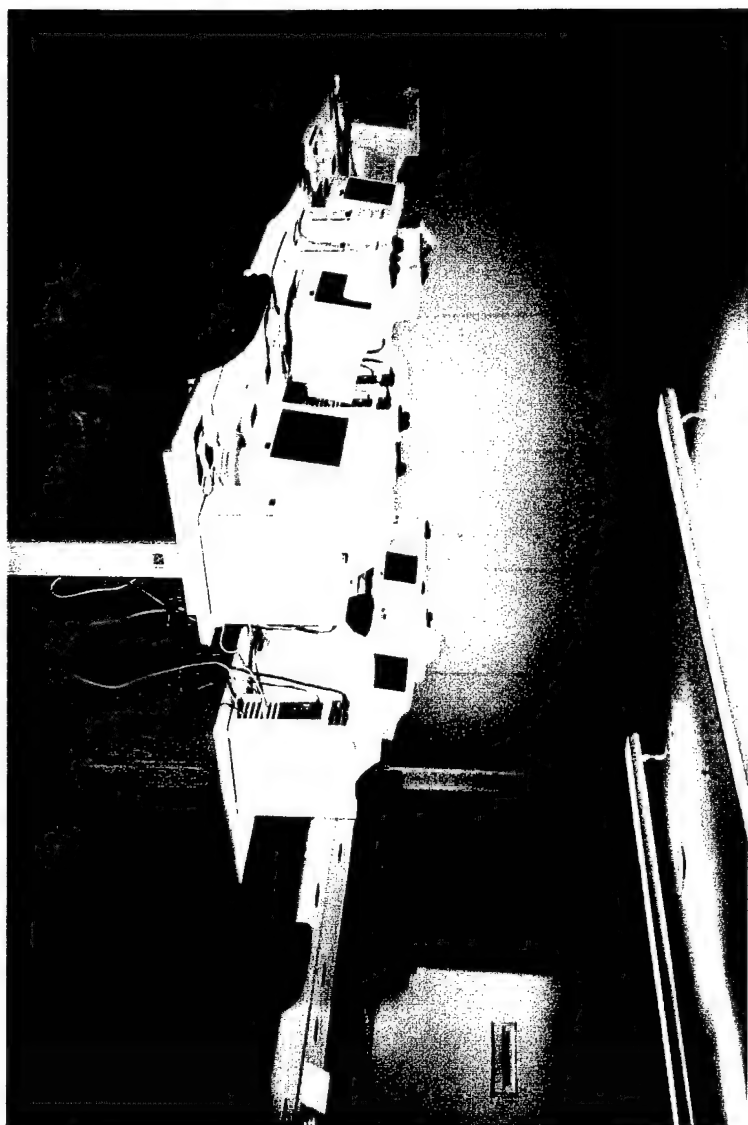
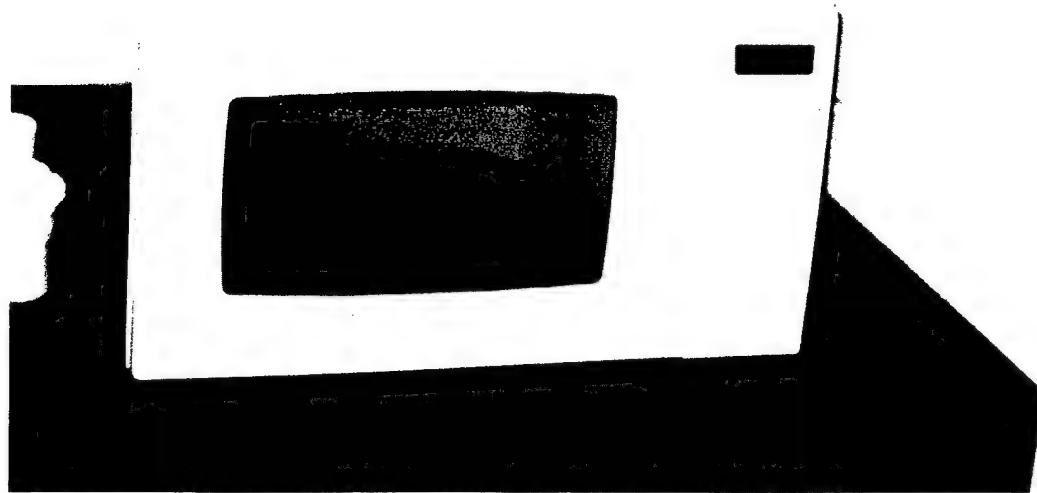
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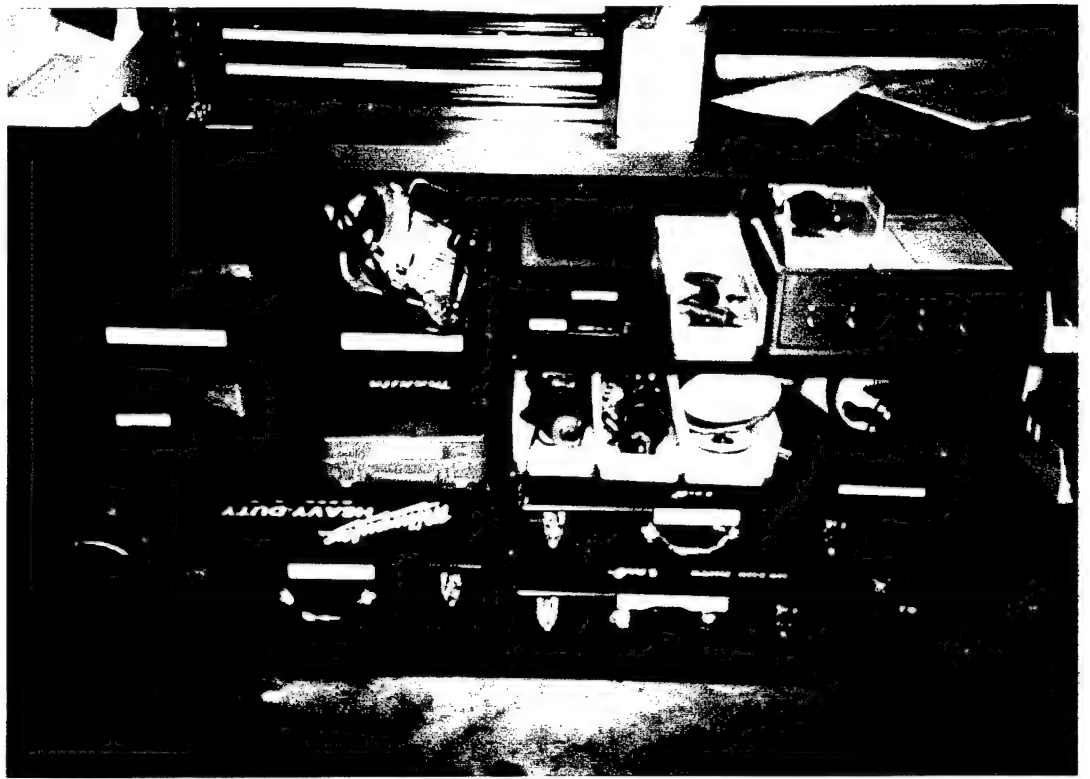


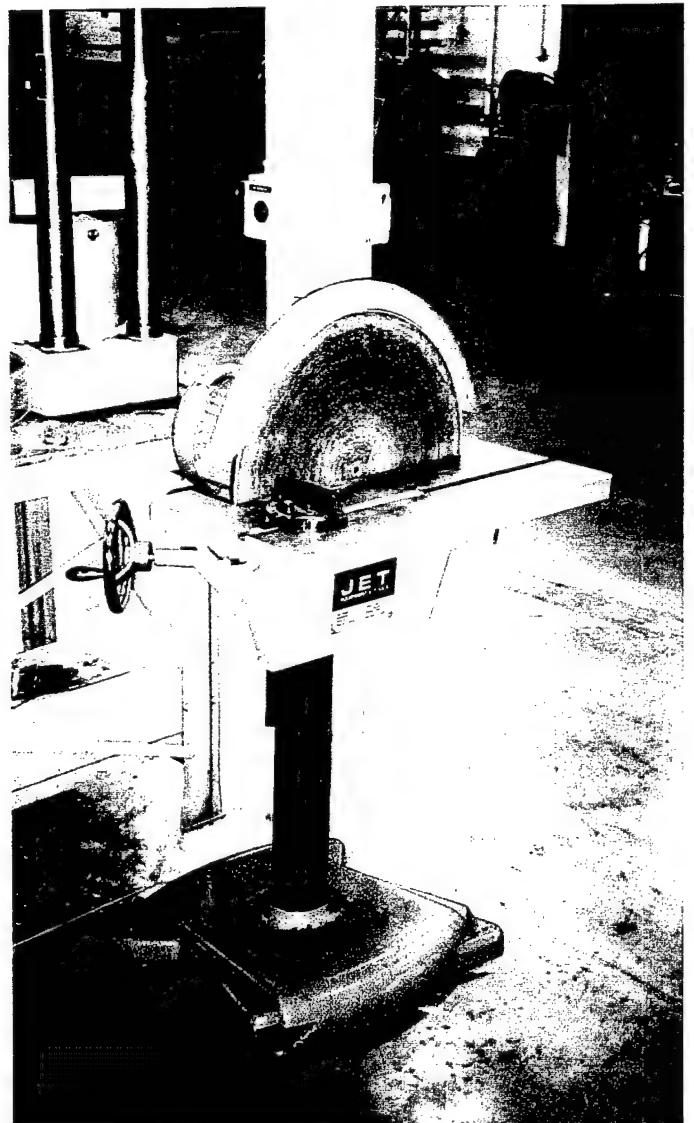
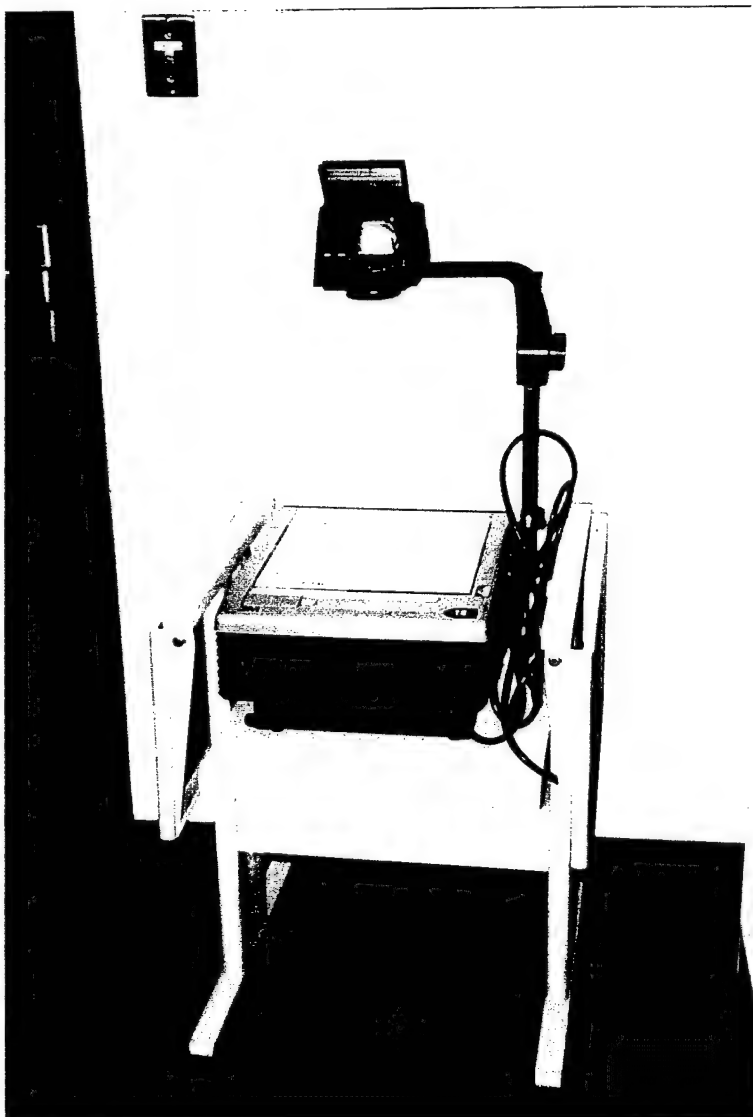
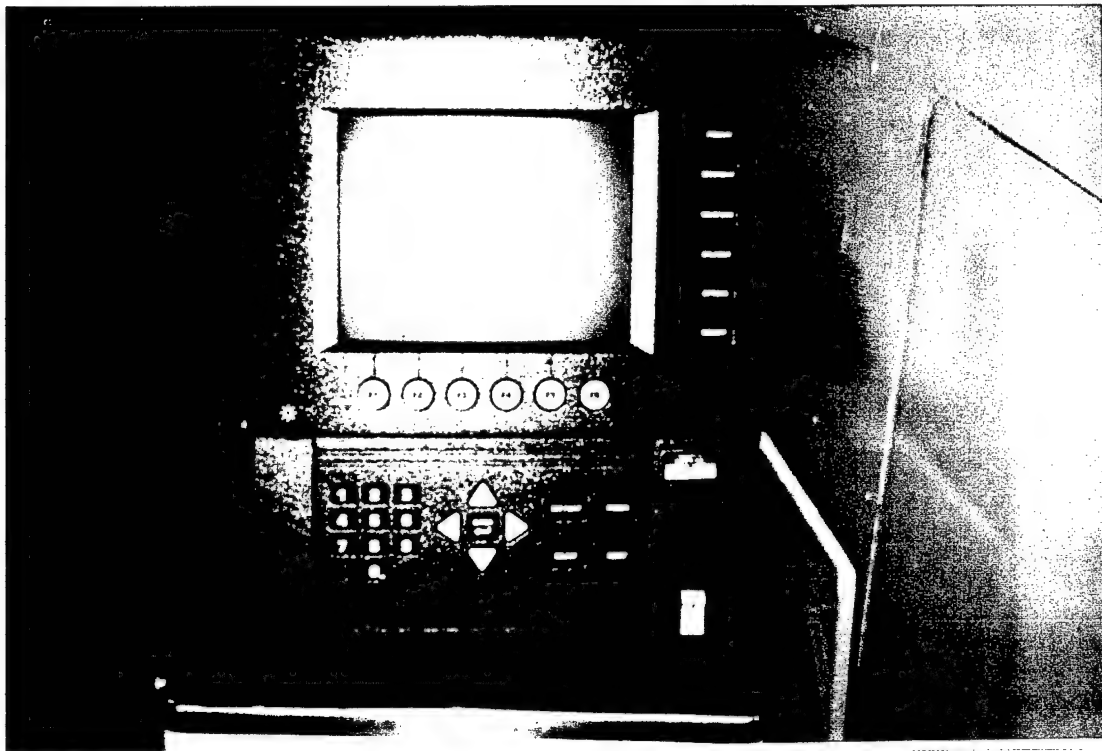


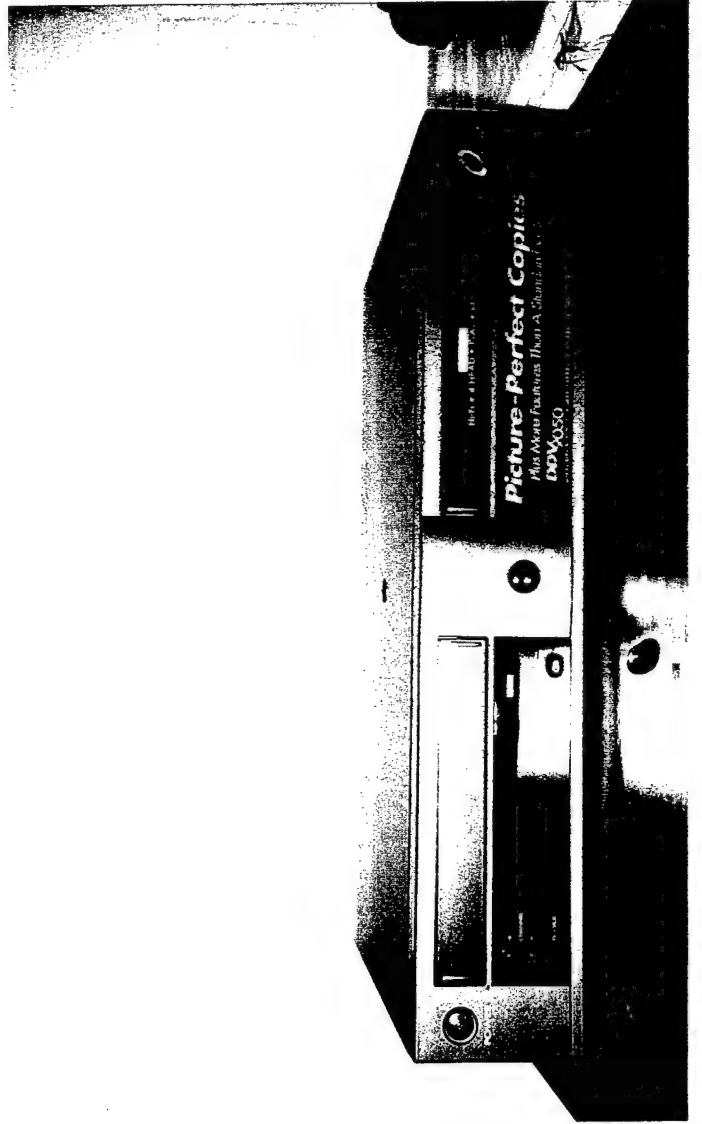
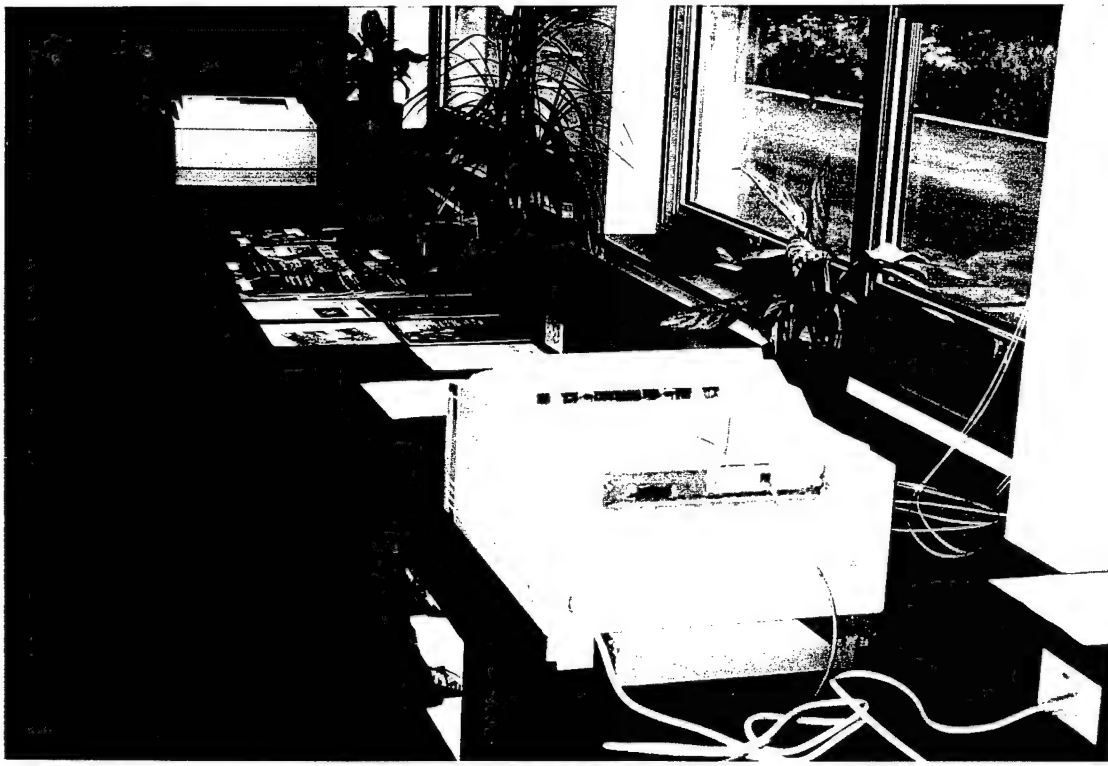


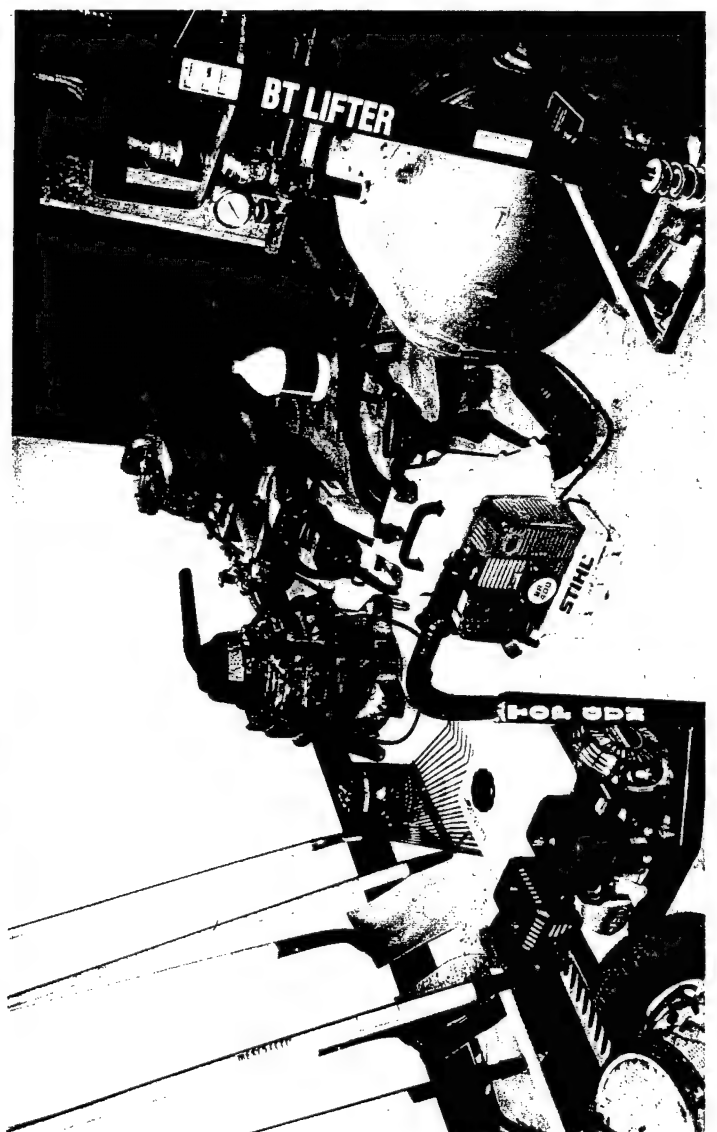
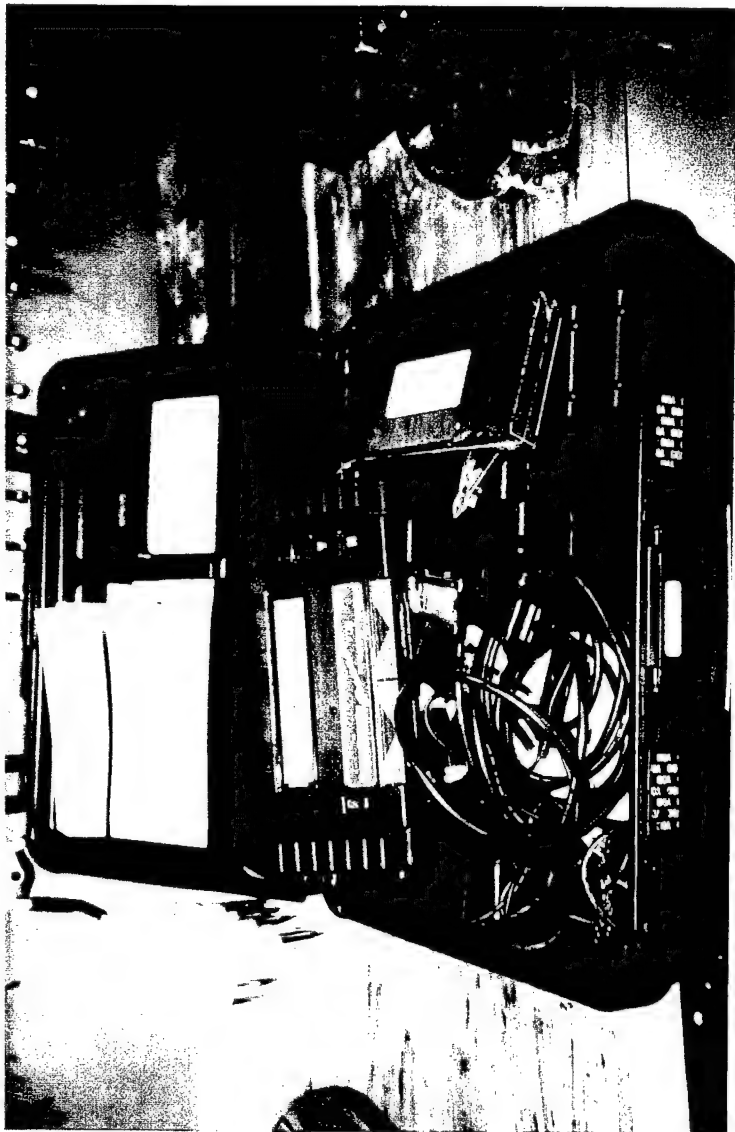
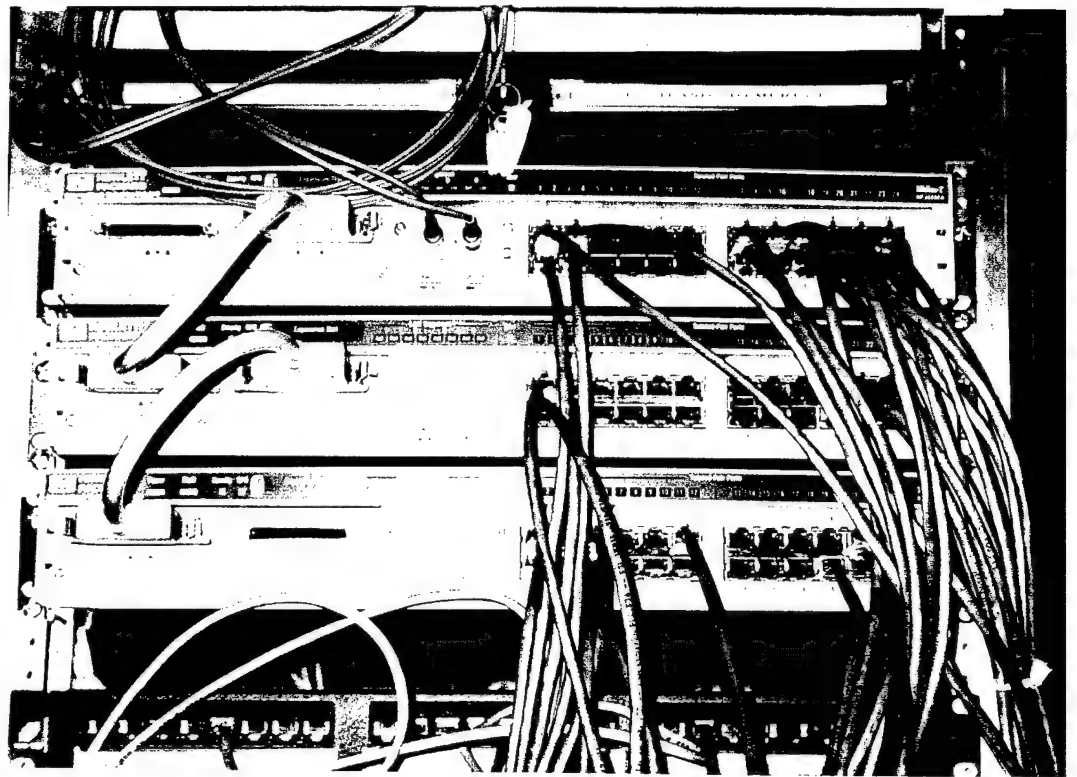


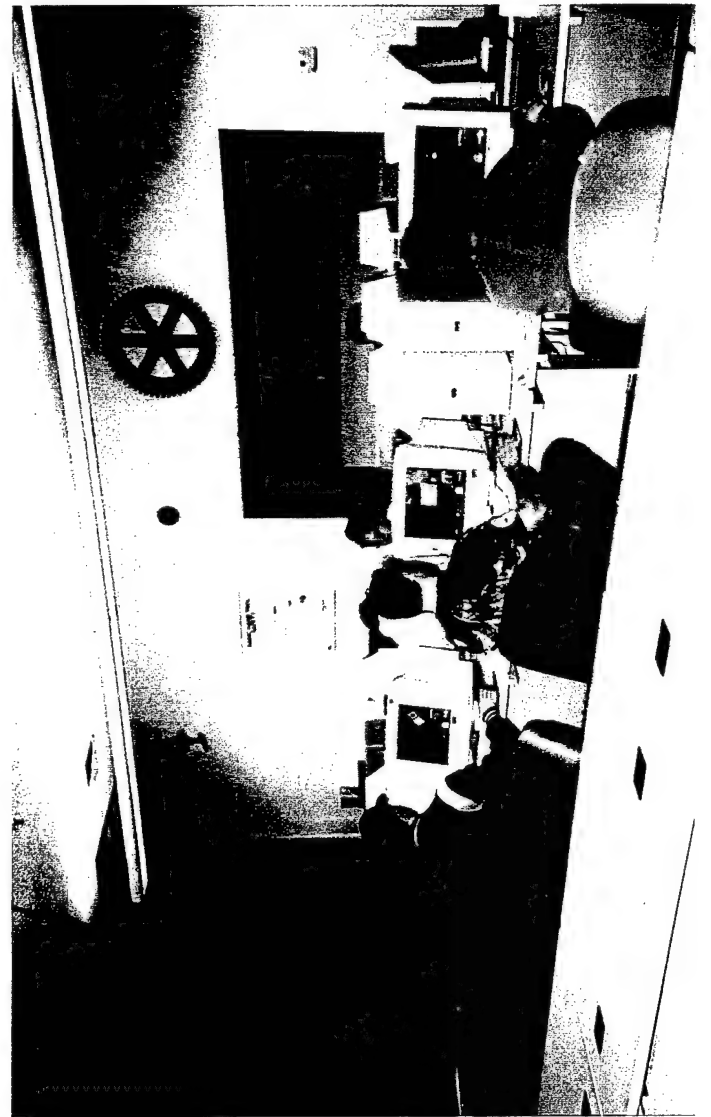
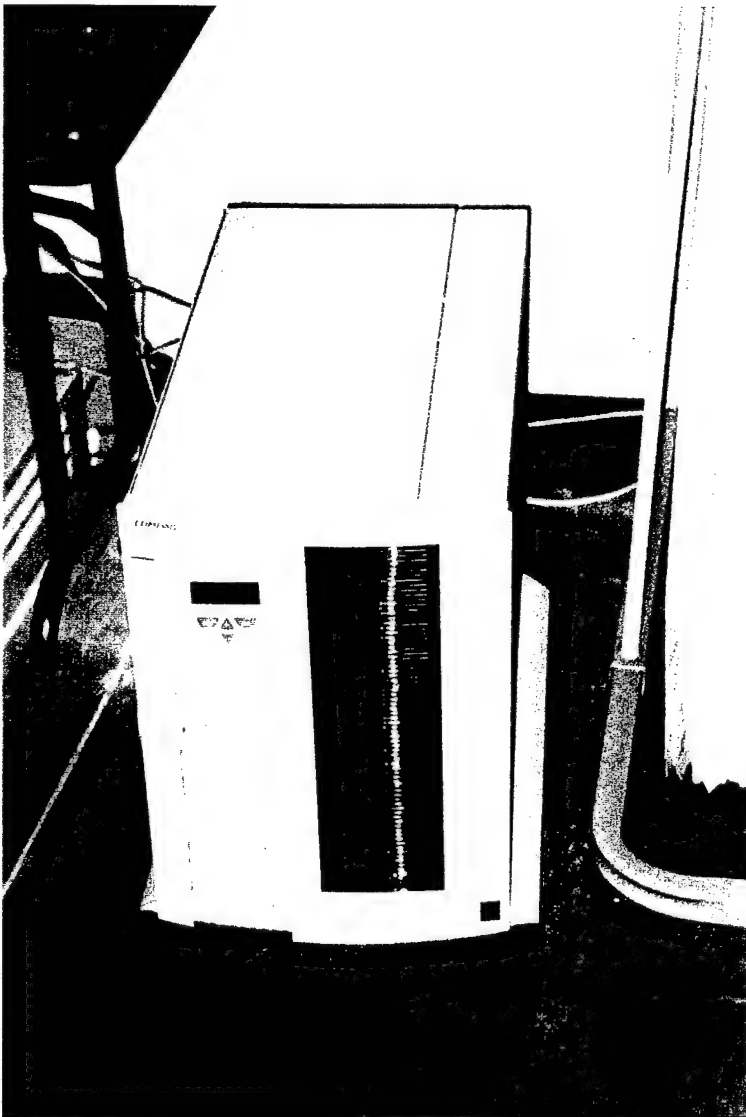
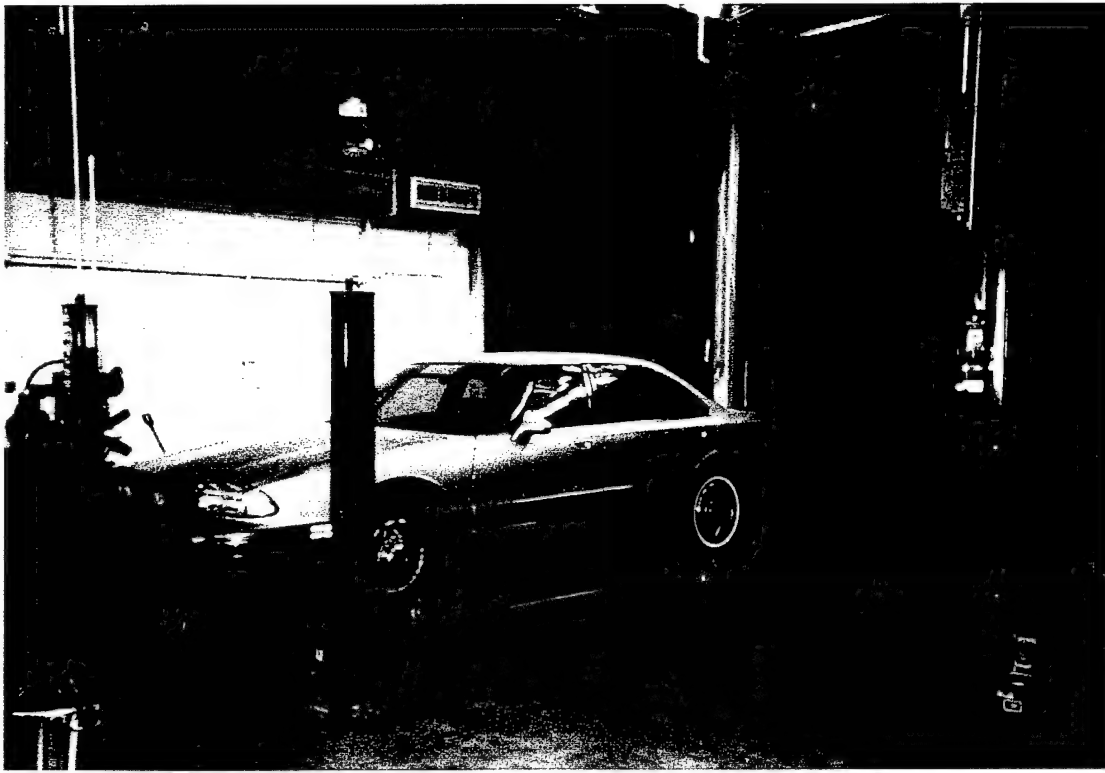


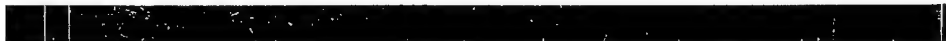
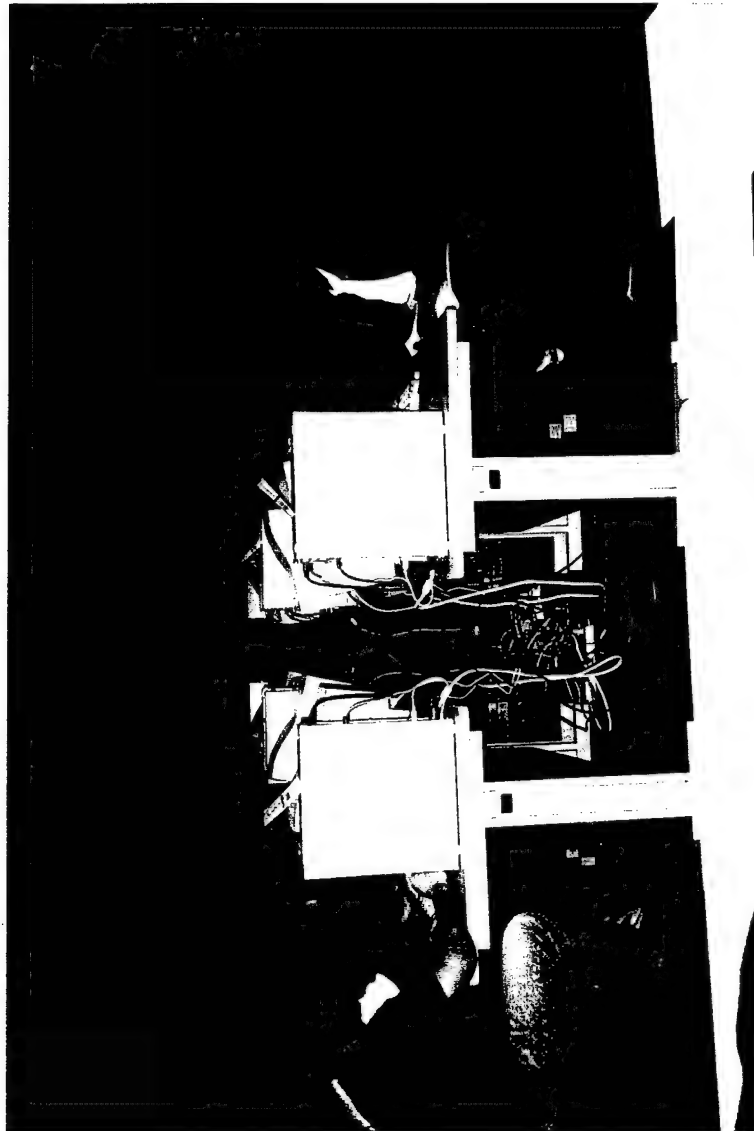


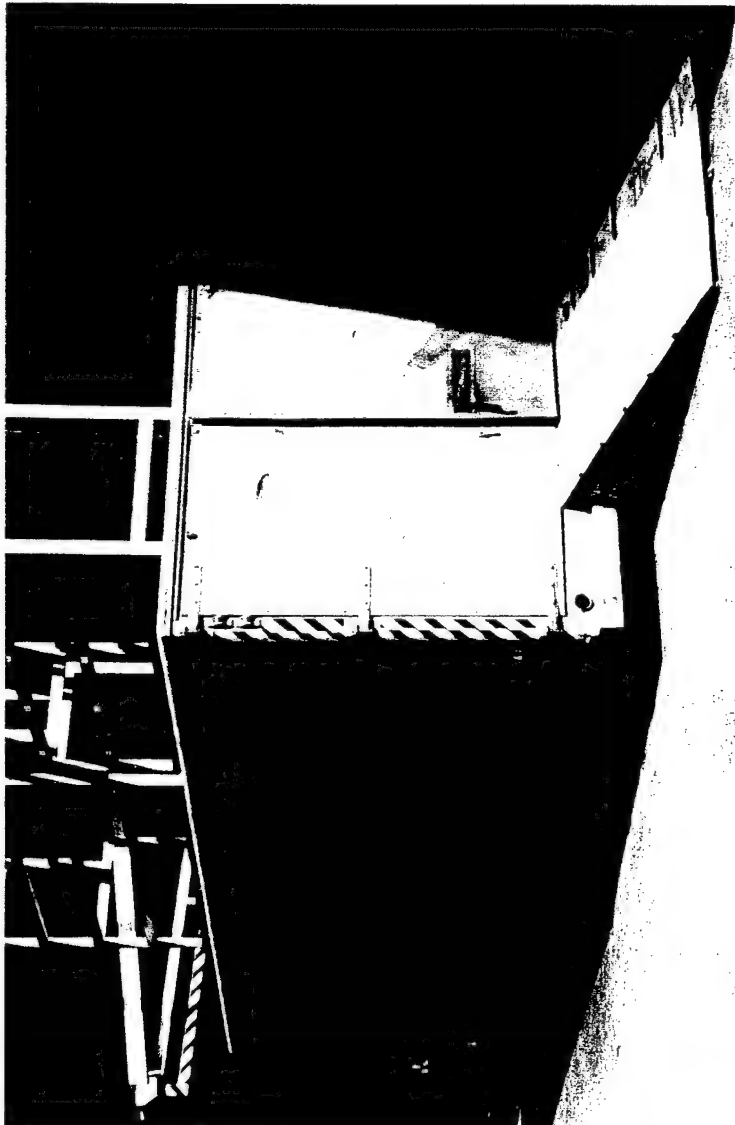


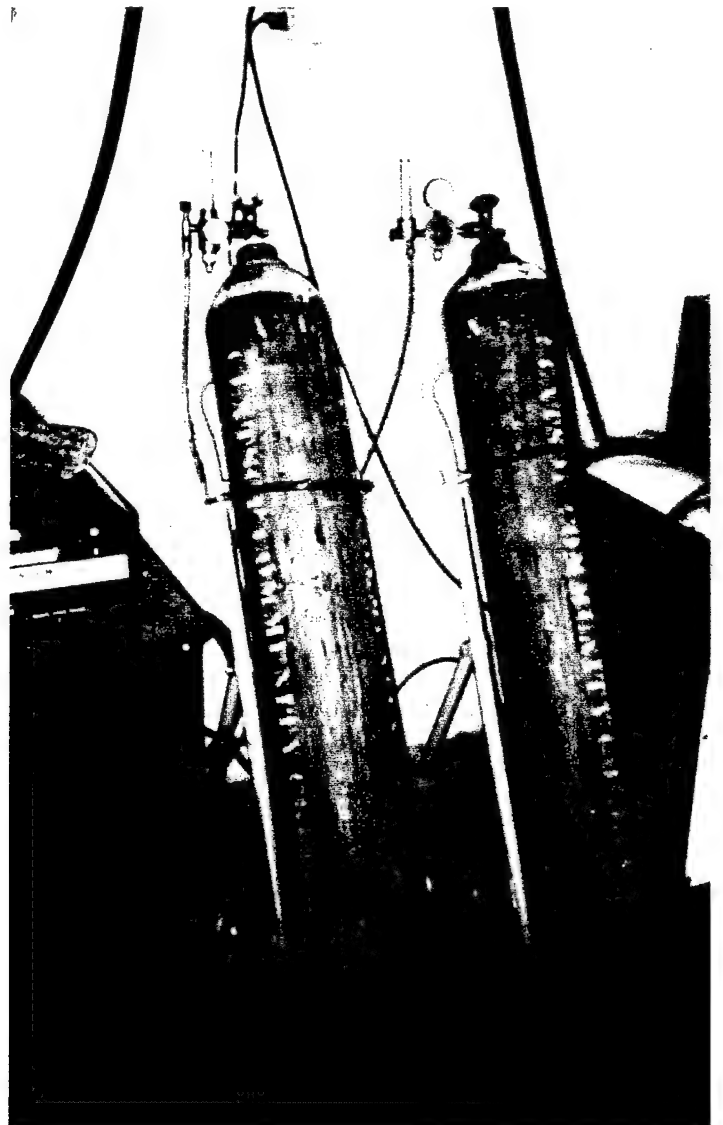
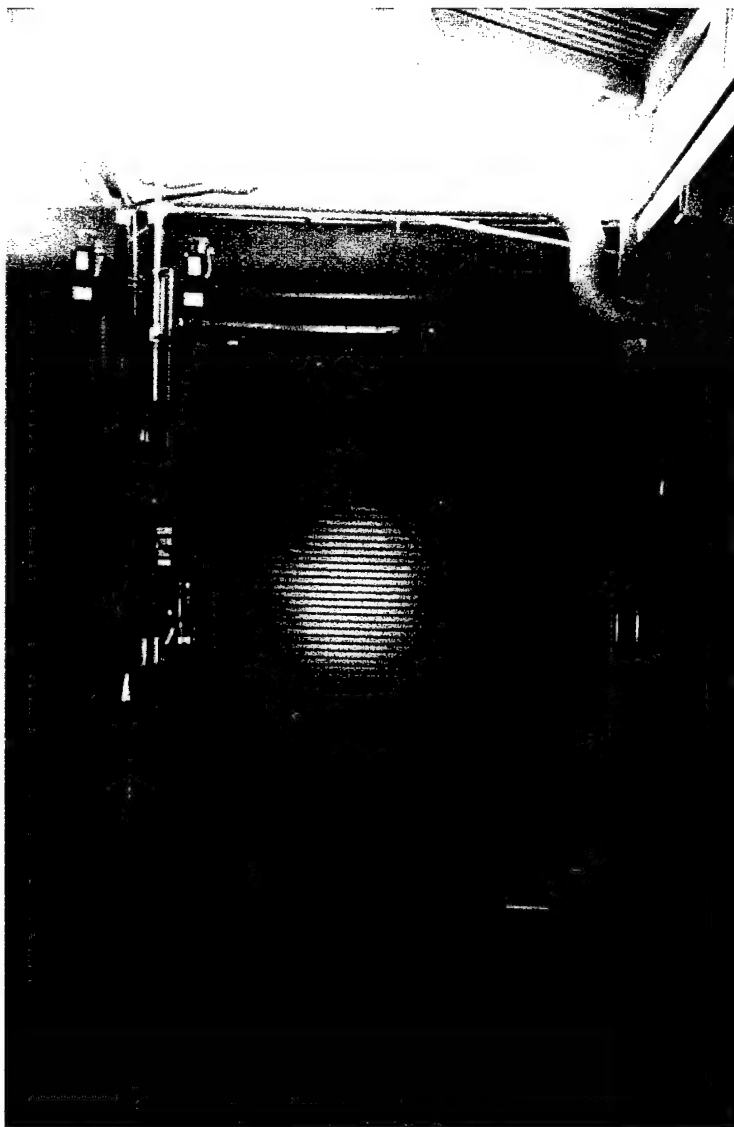
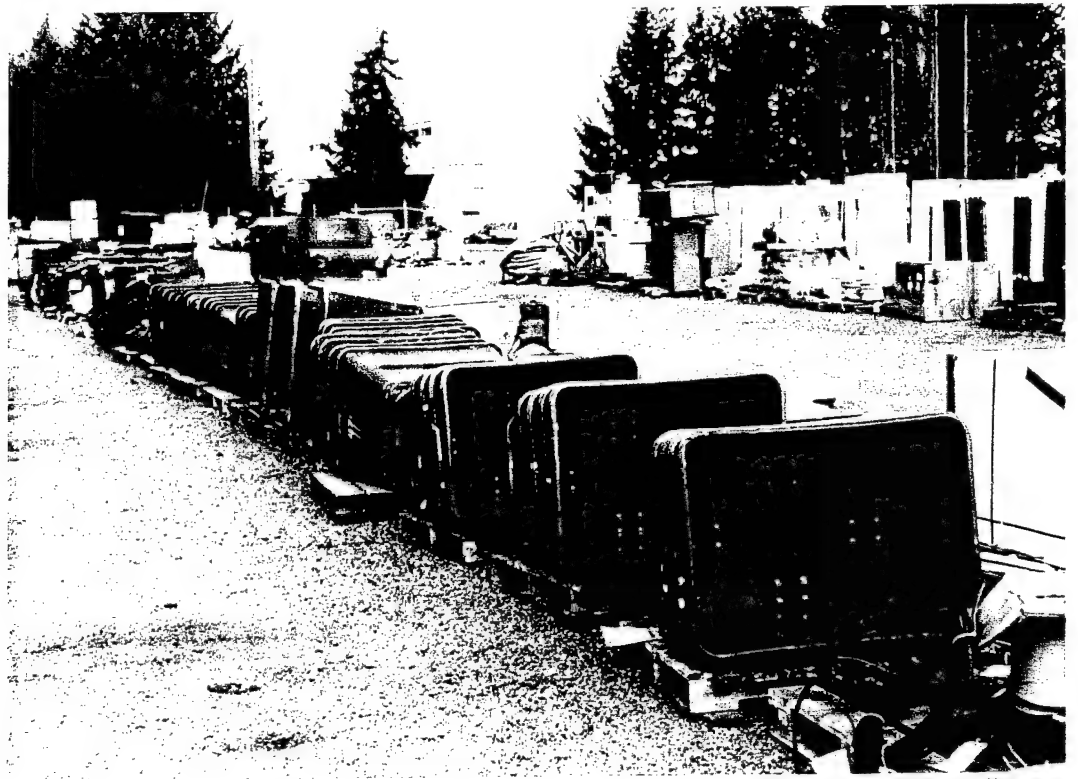


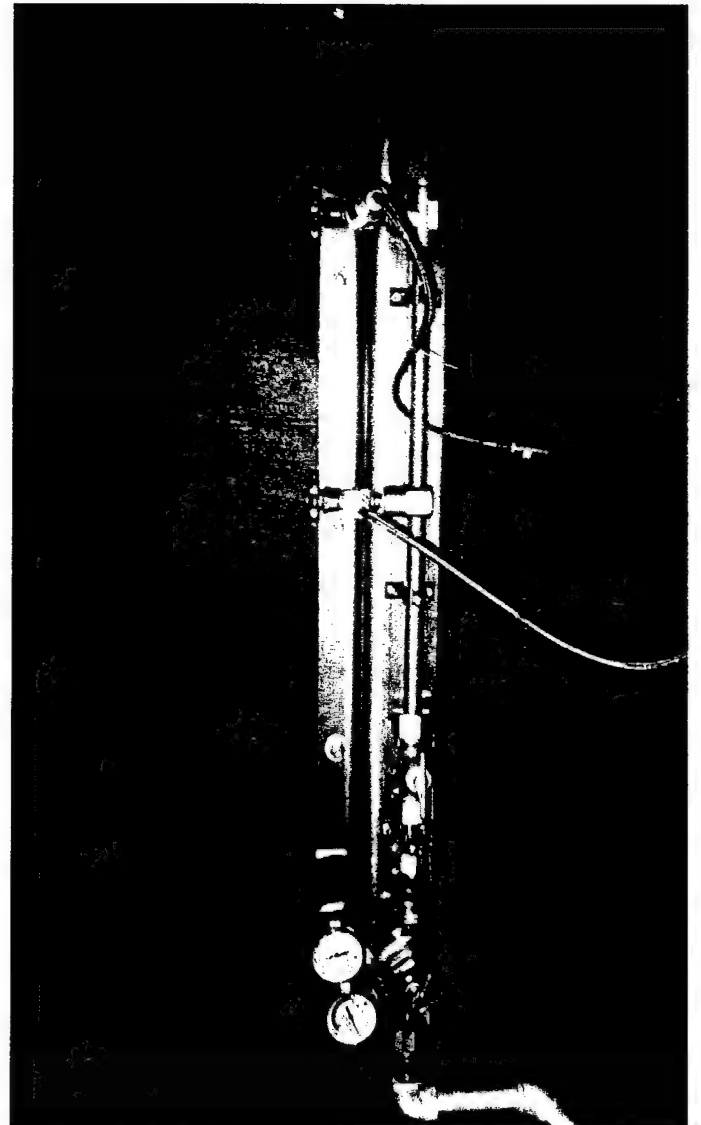
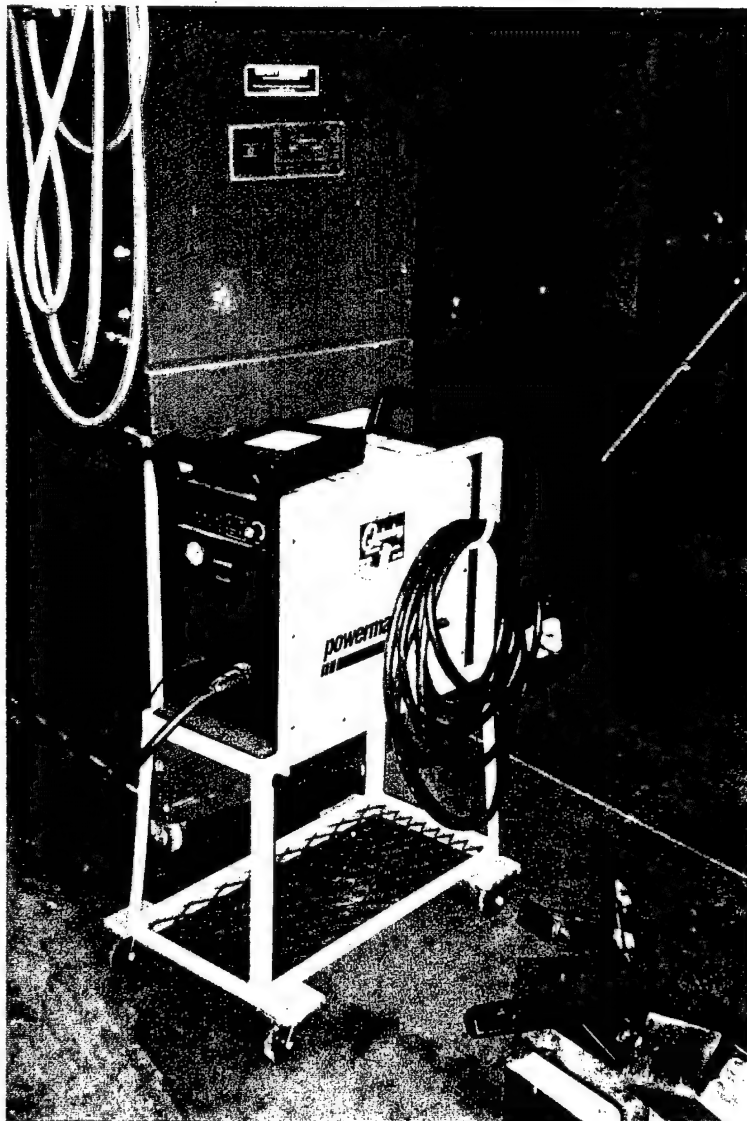
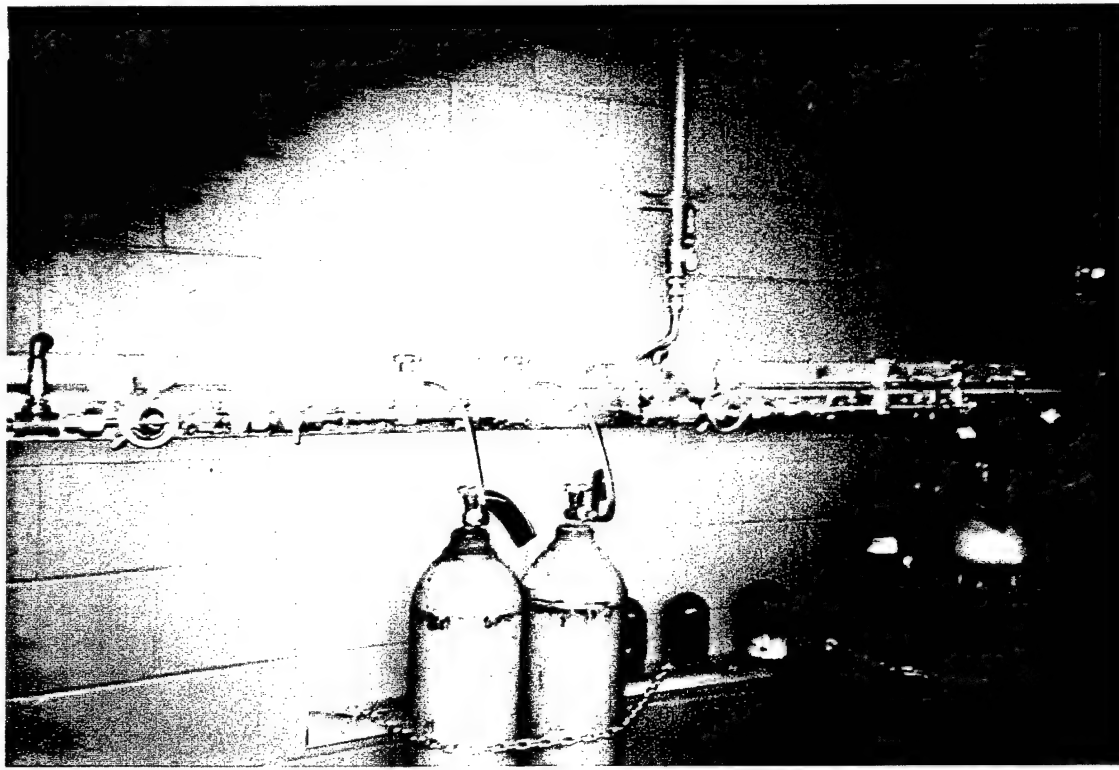


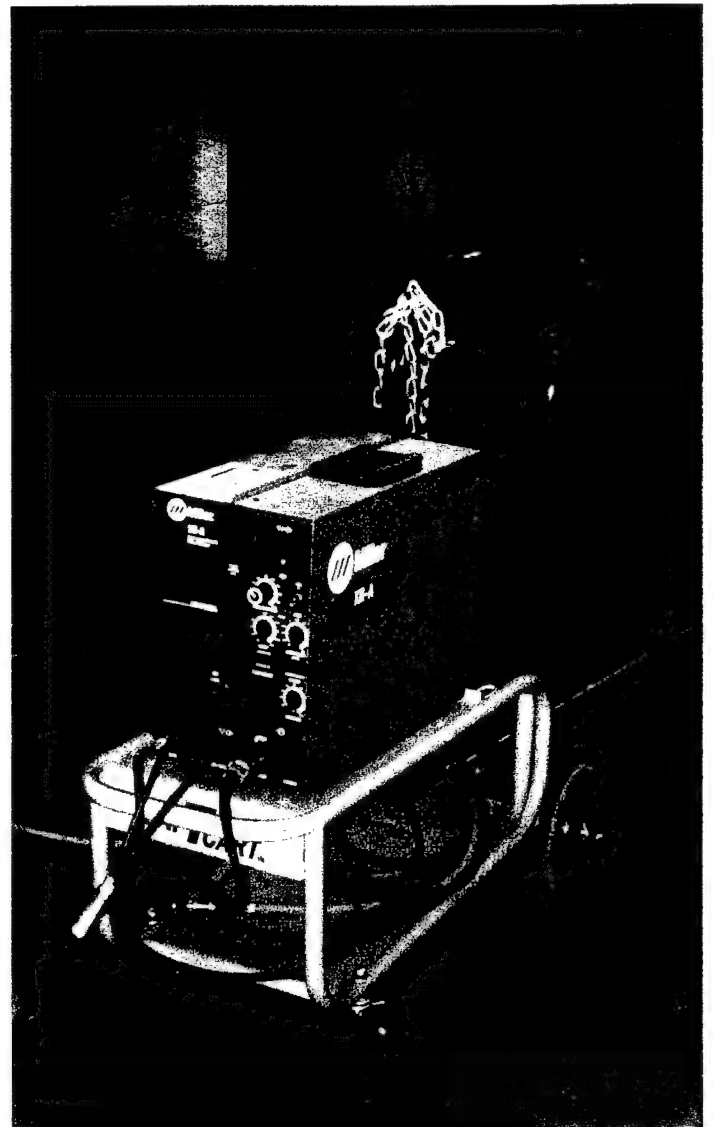
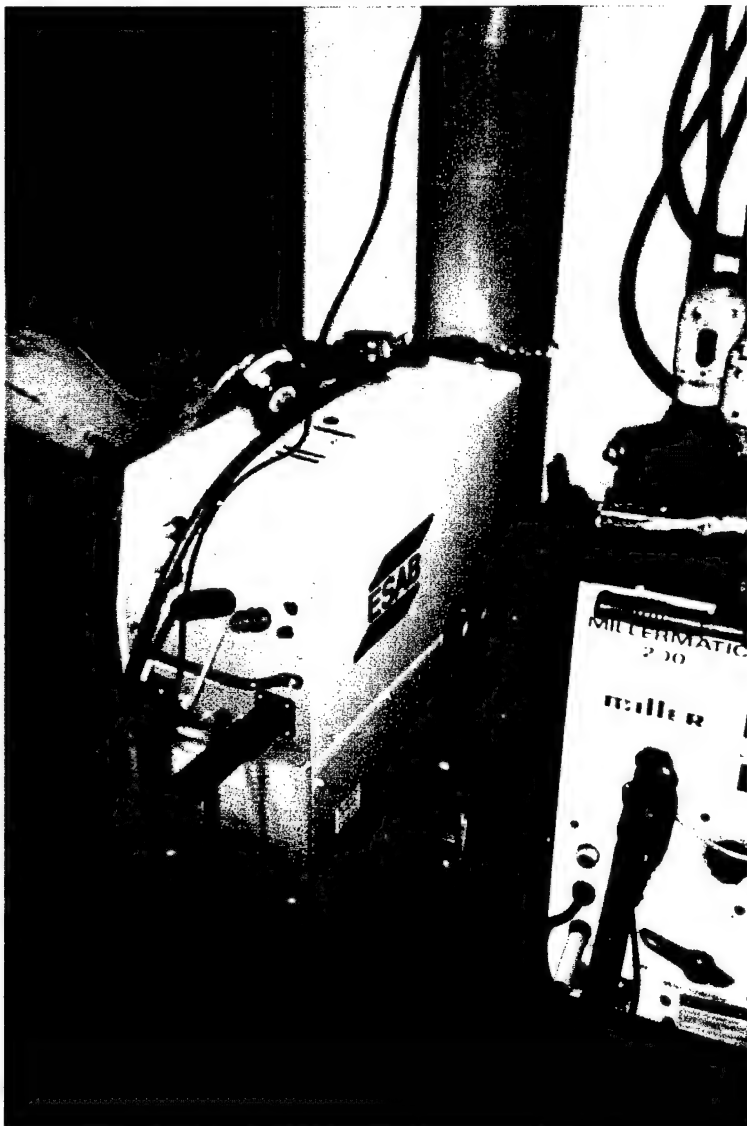
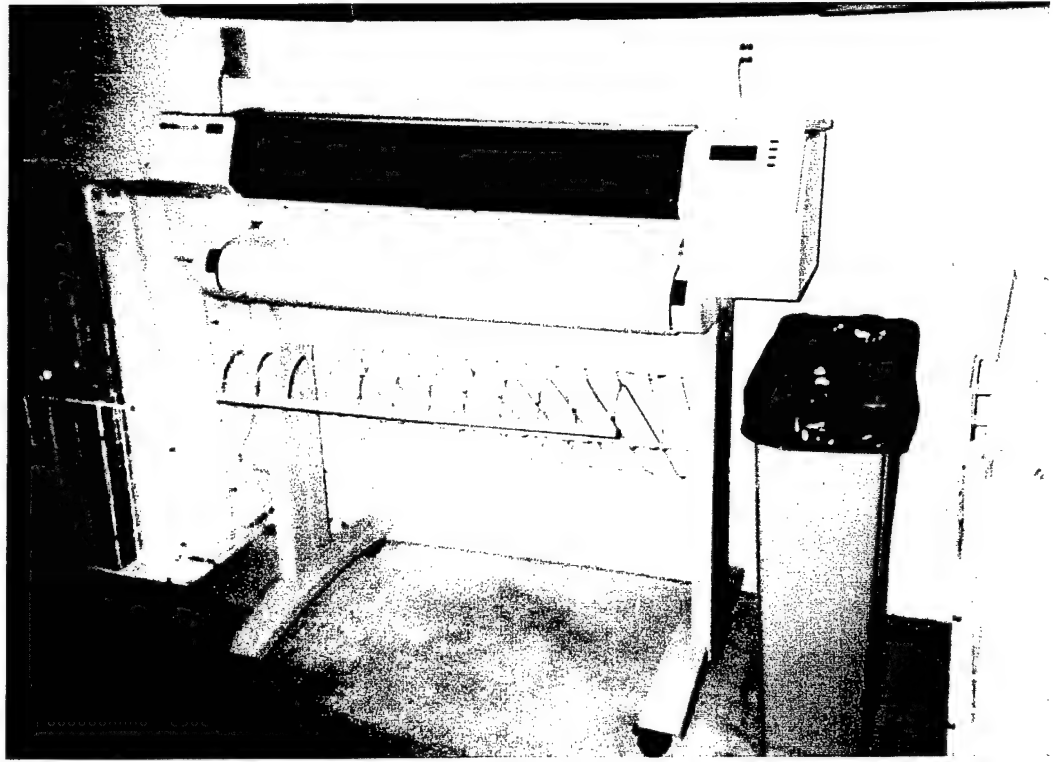












Tag #	Description
9601	DesignJet 750C+ Large Format E-Size Inkjet Plotter w/Jet Direct Card
9602	Comb. 11"X17" LaserJet 4V w/8MB Simm Chip, 10 Base T Card
9606	2000# Gas Powered Pressure Washer w/50' Hose&Wand
9609	Pentium P5-200 Mini-Tower w/Drives
9610	17" Vivitron Color Display Monitor
9611	101 Key-Keyboards
9612	Multimedia Speakers
9613	Pentium P5-200 Mini-Tower w/Drives
9614	17" Vivitron Color Display Monitor
9615	101 Key-Keyboards
9616	Multimedia Speakers
9617	Pentium P5-200 Mini-Tower w/Drives
9618	17" Vivitron Color Display Monitor
9619	101 Key-Keyboards
9620	Multimedia Speakers
9621	8 Port Hublet For OGI/MERTS Campus
9622	Comb. 11"X17" LaserJet 4V
9623	Electric Hoist 3 Ton Capacity
9624	Electric Trolley 3 Ton Capacity w/ 4 button control
9626	Pentium P5-200 Mini-Tower w/Drives
9627	17" Vivitron Color Display Monitor
9628	101 Key-Keyboards
9629	Multimedia Speakers
9630	Pentium P5-200 Mini-Tower w/Drives
9631	17" Vivitron Color Display Monitor
9632	101 Key-Keyboards
9633	Multimedia Speakers
9634	Pentium P5-200 Mini-Tower w/Drives
9635	17" Vivitron Color Display Monitor
9636	101 Key-Keyboards
9637	Multimedia Speakers
9638	Pentium P5-200 Mini-Tower w/Drives
9639	17" Vivitron Color Display Monitor
9640	101 Key-Keyboards
9641	Multimedia Speakers

Tag #	Description
9642	Pentium P5-200 Mini-Tower w/Drives
9643	17" Vivitron Color Display Monitor
9644	101 Key-Keyboards
9645	Multimedia Speakers
9646	Pentium P5-200 Mini-Tower w/Drives
9647	17" Vivitron Color Display Monitor
9648	101 Key-Keyboards
9649	Multimedia Speakers
9650	Pentium P5-200 Mini-Tower w/Drives
9651	17" Vivitron Color Display Monitor
9652	101 Key-Keyboards
9653	Multimedia Speakers
9654	Pentium P5-200 Mini-Tower w/Drives
9655	17" Vivitron Color Display Monitor
9656	101 Key-Keyboards
9657	Multimedia Speakers
9658	Pentium P5-200 Mini-Tower w/Drives
9659	17" Vivitron Color Display Monitor
9660	101 Key-Keyboards
9661	Multimedia Speakers
9662	Electric Plasma Arc Cutting Machine, 800 System
9669	24 Port HP Advanced Stack Hub
9670	T1 DSU/CSU
9671	TI Router
9675	Knnack Storage Chest
9676	BT 5,000 lb Pallet Jack
9687	Gas Manifold
9688	Gas Manifold
9689	Gas Manifold
9696	9,000 lb Capacity Two Post Lift
9697	12,000 lb Capacity Four Post Alignment Lift
9698	8 Ton Equipment Moving Dollies (w/case)
9710	Network Server
9711	14" Color Monitor
9712	101 Key Standard Keyboard

Tag #	Description
9713	Server System Battery Backup
9715	Video / Data Projector w/Case
9721	Jet Direct Printer Hub
9722	Jet Direct Printer Hub
9723	Advance Stack Mini 8 Port Hub
9724	Advance Stack Mini 8 Port Hub
9725	Advance Stack Mini 8 Port Hub
9726	Advance Stack Mini 8 Port Hub
9729	Advance Stack Mini 8 Port Hub
9730	Advance Stack Mini 8 Port Hub
9731	Advance Stack 24 Port Hub
9732	Advance Stack 24 Port Hub
9733	Advance Stack 24 Port Hub
9734	Data & Telephone Cable Termination Tool Kit
9735	LaserJet Printer
9736	Wire Feed Welder w/MT250SG Aluminum Spool gun
9737	Suitcase Wire Feeder w/30' Stretch & XR30-A Gun
9738	20" Circular Disc Sander
9740	2 Ton Electric Crane
9753	Automotive Analyzing Tool
9754	CD-Rom Based Shop Repair Manuals
9755	Portable Engine Anayler
9756	Pentium GP5-200 Mini-Tower w/Drives
9757	17" Color Display Monitor
9758	101 Key-Keybaord
9759	Pentium GP5-200 Mini-Tower w/Drives
9760	17" Color Display Monitor
9761	101 Key-Keybaord
9762	Pentium GP5-200 Mini-Tower w/Drives
9763	17" Color Display Monitor
9764	101 Key-Keybaord
9765	Pentium GP5-200 Mini-Tower w/Drives
9766	17" Color Display Monitor
9767	101 Key-Keybaord
9768	Pentium GP5-200 Mini-Tower w/Drives

Tag #	Description
9769	17" Color Display Monitor
9770	101 Key-Keyboard
9771	Pentium GP6-300 Mini-Tower w/Drives
9772	17" Color Display Monitor
9773	101 Key-Keyboard
9774	Pentium GP6-300 Mini-Tower w/Drives
9775	17" Color Display Monitor
9776	101 Key-Keyboard
9777	Pentium GP6-300 Mini-Tower w/Drives
9778	17" Color Display Monitor
9779	101 Key-Keyboard
9780	Pentium GP6-300 Mini-Tower w/Drives
9781	101 Key-Keyboard
9782	21" Color Display Monitor
9783	Pentium GP6-300 Mini-Tower w/Drives
9784	17" Color Display Monitor
9785	101 Key-Keyboard
9786	Pentium GP6-300 Mini-Tower w/Drives
9787	17" Color Display Monitor
9788	101 Key-Keyboard
9789	Pentium GP6-300 Mini-Tower w/Drives
9790	17" Color Display Monitor
9791	101 Key-Keyboard
9792	Pentium GP6-300 Mini-Tower w/Drives
9793	17" Color Display Monitor
9794	101 Key-Keyboard
9795	Pentium GP6-300 Mini-Tower w/Drives
9796	17" Color Display Monitor
9797	101 Key-Keyboard
9798	Pentium GP6-300 Mini-Tower w/Drives
9799	17" Color Display Monitor
9800	101 Key-Keyboard
9801	Pentium GP6-300 Mini-Tower w/Drives
9802	17" Color Display Monitor
9803	101 Key-Keyboard

Tag #	Description
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9804	Pentium GP6-300 Mini-Tower w/Drives
9805	17" Color Display Monitor
9806	101 Key-Keyboard
9807	Pentium GP6-300 Mini-Tower w/Drives
9808	17" Color Display Monitor
9809	101 Key-Keyboard
9810	Pentium GP6-300 Mini-Tower w/Drives
9811	17" Color Display Monitor
9812	101 Key-Keyboard
9813	Pentium GP6-300 Mini-Tower w/Drives
9814	17" Color Display Monitor
9815	101 Key-Keyboard
9816	Pentium GP6-300 Mini-Tower w/Drives
9817	17" Color Display Monitor
9818	101 Key-Keyboard
9819	Pentium GP6-300 Mini-Tower w/Drives
9820	17" Color Display Monitor
9821	101 Key-Keyboard
9822	Pentium GP6-300 Mini-Tower w/Drives
9823	17" Color Display Monitor
9824	101 Key-Keyboard
9825	Pentium GP6-300 Mini-Tower w/Drives
9826	17" Color Display Monitor
9827	101 Key-Keyboard
9838	B Size Flat Bed Scanner
9844	38" Riding Mower W/Bagging Attachment
9850	1 1/2" Capacity Rotary Hammer w/case
9854	Electric Plasma Arc Cutting Machine
9855	Electric Plasma Arc Cutting Machine
9856	Digital Camera
10018	Wire Feed Welder w/MT250SG Aluminum Spool gun
10019	Wire Feed Welder w/MT250SG Aluminum Spool gun
10020	Wire Feed Welder w/MT250SG Aluminum Spool gun
10034	Electric Magnetic Portable Drill Press
10037	Exterior Mail Box

Tag #**Description**

Voice Mail System
Educational Network labor
T-1 Connection labor
Telemetry to site project

9674 8K 1990 Hyster H80XL Forklift
9681 27' Enclosed Storage Van, Military Surplus Property